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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/960,229 | 09/20/2001 | Kuansan Wang | M61.12-0391 | 5871 |

7590 05/20/2004

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EXAMINER

VO, HUYEN X

ART UNIT PAPER NUMBER

2655

DATE MAILED: 05/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/960,229

Applicant(s)

WANG ET AL.

Examiner

Huyen Vo

Art Unit

2655

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 September 2001.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-19 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on 20 September 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-5, 7, and 11-18 are rejected under 35 U.S.C. 102(e) as being anticipated by Ladd et al. (US Patent No. 6269336).

1. Regarding claim 1, Ladd et al. disclose a computer readable medium including instructions readable by a computer which, when implemented, cause the computer to handle information by performing steps comprising:

receiving data over a network indicative of input at a client device (col. 9, ln. 45-50) and an indication of a grammar to be used with the data indicative of the input to perform recognition (col. 11, ln. 37-49 or col. 14, ln. 18-42); and

sending data indicative of recognition results for the data indicative of the input to a remote location on the network (col. 8, ln. 55-67).

2. Regarding claim 11, Ladd et al. disclose a method for speech recognition in a client/server network (figure 3), the method comprising:

receiving data over a network indicative of input speech (col. 9, ln. 45-50) and an indication of a grammar to be used with the data indicative of input to perform recognition (col. 11, ln. 37-49 or col. 14, ln. 18-42);

processing the data using the grammar with a recognizer to obtain recognition results (col. 8, ln. 55-67); and

sending the recognition results for the data indicative of the input to a remote location on the network (col. 8, ln. 55-67).

3. Regarding claim 16, Ladd et al. disclose a computer readable medium having a markup language for execution on a client device in a client/server system, the markup language comprising instructions to unify a voice input based client device and a multi-modal based client for a web server interacting with each of the client devices (col. 5, ln. 1-11, is developed in software program, which is represented by computer codes).

4. Regarding claims 2 and 12, Ladd et al. further disclose that the indication provides a reference to a location of the grammar (col. 20, ln. 57-65 or refer to claim 12 in col. 44, ln. 53-55).

5. Regarding claims 3 and 13, Ladd et al. further disclose that the indication includes a reference to a language for recognition (col. 6, ln. 25-36).

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6. Regarding claims 4 and 17, Ladd et al. further disclose that the markup language comprises HTML (col. 20, ln. 20-27).

7. Regarding claims 5 and 18, Ladd et al. further disclose that the markup language comprises a scripting language (col. 11, ln. 12-19 or col. 20, ln. 5-40).

8. Regarding claim 7, Ladd et al. further disclose that the recognizer comprises a speech recognizer and the grammar relates to speech recognition (col. 9, ln. 1-10).

9. Regarding claim 14, Ladd et al. further disclose a method for providing a prompt to the remote location (col. 14, ln. 43-67).

10. Regarding claim 15, Ladd et al. further disclose a method for providing a prompt comprises converting text data to speech data and providing the speech data to the remote location (col. 14, ln. 10-14).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 8-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ladd et al. (US Patent No. 6269336).

11. Regarding claims 8-10, Ladd et al. do not disclose that a recognizer comprises a handwriting recognizer and the grammar relates to handwriting recognition, a gesture recognizer and the grammar relates to gesture recognition, and a visual recognizer and the grammar relates to vision recognition. However, the examiner takes official notice that handwriting, gesture, and visual recognitions are well known in the art. Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to readily combine handwriting, gesture, and visual recognitions in the system above to allow the system to process and compare results of different modes of input to select the most accurate mode of input for use.

Claims 6 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ladd et al. (US Patent No. 6269336) in view of Bergman et al. (US Patent No. 6564263).

12. Regarding claims 6 and 19, Ladd et al. do not disclose that the markup language comprises synchronized multimedia markup language. However, Bergman et al. teach that the markup language comprises synchronized multimedia markup language (col. 16, ln. 1-15, SMIL is a type of synchronized multimedia markup language). The

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advantage of using the teaching of Bergman et al. in Ladd et al. is to allow built-in flexibility in the object's duration.

Since Ladd et al. and Bergman et al. are analogous art because they are from the same field of endeavors, it would have been obvious to one of ordinary skill in the art at the time of invention to modify Ladd et al. by incorporating the teaching of Bergman et al. in order to allow built-in flexibility in the object's duration.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Brown et al. (US Patent No. 5559897) teach grammars relates to handwriting recognizer, Ludwig (US Patent No. 6570078) teaches grammar relates to vision recognizer, and Ludwig (US Patent No. 6689947) teaches grammar relates to gesture recognizer.

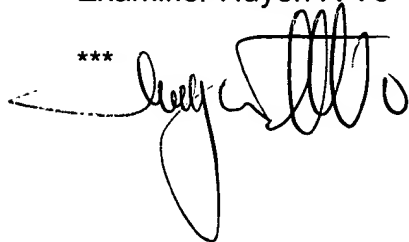
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huyen Vo whose telephone number is 703-305-8665. The examiner can normally be reached on M-F, 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doris To can be reached on 703-305-4827. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Examiner Huyen X Vo

May 3, 3004





DORIS H. TO
SUPERVISORY PATENT EXAMINER
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